2/17/00

09150813 Results

SEQ ID NO: 1

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	70	100.0	76	1	US-07-956-862A-1	Sequence 1, Appli
2	70	100.0	76	1	US-08-250-958-1	Sequence 1, Appli
3	70	100.0	76	1	US-08-235-659-1	Sequence 1, Appli
4	70	100.0	76	2	US-08-716-188-2	Sequence 2, Appli
5	70	100.0	76	2	US-08-615-232A-5	Sequence 5, Appli
6	70	100.0	76	3	US-08-470-323-5	Sequence 5, Appli
7	70	100.0	78	1	US-08-330-163-12	Sequence 12, Appl
8	70	100.0	78	1	US-08-482-111-12	Sequence 12, Appl
9	70	100.0	78	5	PCT-US95-00605-1	Sequence 1, Appli
10	70	100.0	99	1	US-08-127-499A-35	Sequence 35, Appl
11	70	100.0	99	1	US-08-482-847-35	Sequence 35, Appl
12	70	100.0	99	1	US-08-347-492B-8	Sequence 8, Appli
13	70	100.0	99	1	US-08-480-449-19	Sequence 19, Appl
14	70	100.0	99	2	US-08-479-126B-5	Sequence 5, Appli
15	70	100.0	99	2	US-08-421-144A-5	Sequence 5, Appli
16	70	100.0	99	2	US-08-726-830A-5	Sequence 5, Appli
17	70	100.0	99	2	US-08-660-542-19	Sequence 19, Appl
18	70	100.0	99	2	US-08-798-143-8	Sequence 8, Appli
19	70	100.0	99	3	US-07-927-391-24	Sequence 24, Appl
20	70	100.0	99	3	US-08-995-156A-5	Sequence 5, Appli
21	70	100.0	99	3	US-09-044-856A-5	Sequence 5, Appli
22	70	100.0	99	3	US-09-044-855A-5	Sequence 5, Appli
23	70	100.0	99	4	US-08-679-493A-152	Sequence 152, App
24	70	100.0	99	4	US-08-479-603-19	Sequence 19, Appl
25	70	100.0	99	5	PCT-US96-10087-5	Sequence 5, Appli
26	70	100.0	99	6	5212073-2	Patent No. 5212073
27	68	97.1	99	4	US-09-133-521-5	Sequence 5, Appli
28	67	95.7	98	4	US-08-613-822-4	Sequence 4, Appli
29	67	95.7	98	4	US-08-852-212-2	Sequence 2, Appli
30	64	91.4	45	3	US-07-927-391-4	Sequence 4, Appli
31	64	91.4	61	3	US-07-927-391-3	Sequence 3, Appli
32	64	91.4	63	3	US-07-927-391-2	Sequence 2, Appli
33	64	91.4	67	1	US-08-127-499A-38	Sequence 38, Appl
34	64	91.4	67	1	US-08-482-847-38	Sequence 38, Appl
35	64	91.4	67	3	US-08-470-323-7	Sequence 7, Appli
36	64	91.4	70	2	US-08-615-232A-7	Sequence 7, Appli
37	64	91.4	76	2	US-08-716-188-4	Sequence 4, Appli
38	64	91.4	76	4	US-08-613-822-19	Sequence 19, Appl
39	64	91.4	99	1	US-08-480-449-18	Sequence 18, Appl
40	64	91.4	99	2	US-08-660-542-18	Sequence 18, Appl
41	64	91.4	99	4	US-08-613-822-18	Sequence 18, Appl
42	64	91.4	99	4	US-08-479-603-18	Sequence 18, Appl
43	64	91.4	109	2	US-08-421-144A-7	Sequence 7, Appli
44	64	91.4	109	3	US-07-927-391-16	Sequence 16, Appl
45	64	91.4	109	4	US-08-679-493A-153	Sequence 153, App

ALIGNMENTS

RESULT 1
US-07-956-862A-1
; Sequence 1, Application US/07956862A
; Patent No. 5413778
; GENERAL INFORMATION:
; APPLICANT: KUNKEL, STEVEN L.
; APPLICANT: LYLE, LEON R.
; APPLICANT: STRIETER, ROBERT M.
; TITLE OF INVENTION: LABELLED MONOCYTE CHEMOATTRACTANT
; TITLE OF INVENTION: PROTEIN MATERIAL AND MEDICAL USES
; TITLE OF INVENTION: THEREOF

```
;    NUMBER OF SEQUENCES:  1
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rothwell, Figg, Ernst & Kurz
;      STREET:  Suite 701-E, 555 Thirteenth St., N.W
;      CITY:  Washington
;      STATE:  D. C.
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/956,862A
;      FILING DATE:  05-OCT-1992
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  REPPER, GEORGE R.
;      REGISTRATION NUMBER:  31,414
;      REFERENCE/DOCKET NUMBER:  1670-197A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)783-6040
;      TELEFAX:  (202)783-6031
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  76 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    FRAGMENT TYPE:  N-terminal
US-07-956-862A-1


  Query Match             100.0%;  Score 70;  DB 1;  Length 76;
  Best Local Similarity   100.0%;  Pred. No. 2.4e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
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Db      50 EICADPKQKWVQ 61


RESULT   2
US-08-250-958-1
; Sequence 1, Application US/08250958
; Patent No. 5571713
;  GENERAL INFORMATION:
;    APPLICANT:  LYLE, LEON R.
;    APPLICANT:  KUNKEL, STEVEN L.
;    APPLICANT:  STRIETER, ROBERT M.
;    TITLE OF INVENTION:  THERAPEUTIC TREATMENT FOR INHIBITING
;    TITLE OF INVENTION:  VASCULAR RESTENOSIS
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rothwell, Figg, Ernst & Kurz
;      STREET:  Suite 701-E, 555 Thirteenth St., N.W
;      CITY:  Washington
;      STATE:  D. C.
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/250,958
;      FILING DATE:  27-MAY-1994
;      CLASSIFICATION:  514
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;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/965,678
;      FILING DATE:  22-OCT-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WALKER, Barbara W.
;      REGISTRATION NUMBER:  35,400
;      REFERENCE/DOCKET NUMBER:  2077-206A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)783-6040
;      TELEFAX:  (202)783-6031
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  76 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    FRAGMENT TYPE:  N-terminal
US-08-250-958-1


  Query Match             100.0%;  Score 70;  DB 1;  Length 76;
  Best Local Similarity   100.0%;  Pred. No. 2.4e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
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Db      50 EICADPKQKWVQ 61


RESULT   3
US-08-235-659-1
; Sequence 1, Application US/08235659
; Patent No. 5605671
;  GENERAL INFORMATION:
;    APPLICANT:  Lyle, Leon R.
;    APPLICANT:  Kunkel, Steven L.
;    APPLICANT:  Strieter, Robert M.
;    TITLE OF INVENTION:  LABELLED CHEMOKINE MATERIALS AND
;    TITLE OF INVENTION:  MEDICAL USES THEREOF
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rothwell, Figg, Ernst & Kurz
;      STREET:  Suite 701-E, 555 Thirteenth St., N.W
;      CITY:  Washington
;      STATE:  D. C.
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,659
;      FILING DATE:  29-APR-1994
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/956,862
;      FILING DATE:  05-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/956,863
;      FILING DATE:  05-OCT-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WALKER, Barbara W.
;      REGISTRATION NUMBER:  35,400
;      REFERENCE/DOCKET NUMBER:  2077-205A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)783-6040
;      TELEFAX:  (202)783-6031
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;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  76 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  not relevant
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    FRAGMENT TYPE:  N-terminal
US-08-235-659-1


  Query Match             100.0%;  Score 70;  DB 1;  Length 76;
  Best Local Similarity   100.0%;  Pred. No. 2.4e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
           ||||||||||||
Db      50 EICADPKQKWVQ 61


RESULT   4
US-08-716-188-2
; Sequence 2, Application US/08716188
; Patent No. 5908829
;  GENERAL INFORMATION:
;    APPLICANT:  KELLY, RODNEY W
;    TITLE OF INVENTION:  USE OF MCP-1 FOR INDUCING RIPENING OF
;    TITLE OF INVENTION:  THE CERVIX
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/716,188
;      FILING DATE:  30-SEP-1996
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/GB95/00733
;      FILING DATE:  31-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9406463.1
;      FILING DATE:  31-MAR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  117-219
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-816-4091
;      TELEFAX:  703-816-4100
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  76 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-716-188-2


  Query Match             100.0%;  Score 70;  DB 2;  Length 76;
  Best Local Similarity   100.0%;  Pred. No. 2.4e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy       1 EICADPKQKWVQ 12
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Db      50 EICADPKQKWVQ 61


RESULT   5
US-08-615-232A-5
; Sequence 5, Application US/08615232A
; Patent No. 5993814
;  GENERAL INFORMATION:
;    APPLICANT:  WILLIAMS, TIMOTHY J.
;    APPLICANT:  JOSE, PETER J.
;    APPLICANT:  GRIFFITHS-JOHNSON, DAVID A.
;    APPLICANT:  HSUAN, JOHN J.
;    TITLE OF INVENTION:  CHEMOTACTIC CYTOKINE
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD, 8TH FLOOR
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/615,232A
;      FILING DATE:  13-AUG-1996
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9318984
;      FILING DATE:  14-SEP-1993
;      APPLICATION NUMBER:  GB 9408602
;      FILING DATE:  29-APR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WILSON, MARY J.
;      REGISTRATION NUMBER:  32,955
;      REFERENCE/DOCKET NUMBER:  550-32
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 816-4000
;      TELEFAX:  (703) 816-4100
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  76 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-615-232A-5


  Query Match             100.0%;  Score 70;  DB 2;  Length 76;
  Best Local Similarity   100.0%;  Pred. No. 2.4e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
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Db      50 EICADPKQKWVQ 61


RESULT   6
US-08-470-323-5
; Sequence 5, Application US/08470323A
; Patent No. 6031080
; GENERAL INFORMATION:
;  APPLICANT: WILLIAMS, TIMOTHY J.
;  APPLICANT: JOSE, PETER J.
```

```
;  APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
;  APPLICANT: HSUAN, JOHN J.
;  TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
;  FILE REFERENCE: 550-33
;  CURRENT APPLICATION NUMBER: US/08/470,323A
;  CURRENT FILING DATE: 1995-06-06
;  EARLIER APPLICATION NUMBER: PCT/GB94/02006
;  EARLIER FILING DATE: 1994-09-14
;  EARLIER APPLICATION NUMBER: GB 9318984.3
;  EARLIER FILING DATE: 1993-09-14
;  EARLIER APPLICATION NUMBER: GB 94086902.2
;  EARLIER FILING DATE: 1994-04-29
;  NUMBER OF SEQ ID NOS: 11
; SEQ ID NO 5
;   LENGTH: 76
;   TYPE: PRT
;   ORGANISM: human
US-08-470-323-5


  Query Match             100.0%;  Score 70;  DB 3;  Length 76;
  Best Local Similarity   100.0%;  Pred. No. 2.4e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
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Db      50 EICADPKQKWVQ 61


RESULT   7
US-08-330-163-12
; Sequence 12, Application US/08330163
; Patent No. 5656724
;  GENERAL INFORMATION:
;    APPLICANT:  Daly, Thomas J.
;    APPLICANT:  LaRosa, Gregory J.
;    TITLE OF INVENTION:  Chemokine-Like Proteins and Methods of
;    TITLE OF INVENTION:  Use
;    NUMBER OF SEQUENCES:  46
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  U.S.A.
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/330,163
;      FILING DATE:  05-AUG-1994
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fasse, J. Peter
;      REGISTRATION NUMBER:  32,983
;      REFERENCE/DOCKET NUMBER:  00231/080001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 542-5070
;      TELEFAX:  (617) 542-8906
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  78 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-330-163-12
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  Query Match             100.0%;  Score 70;  DB 1;  Length 78;
  Best Local Similarity   100.0%;  Pred. No. 2.5e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
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Db      52 EICADPKQKWVQ 63


RESULT   8
US-08-482-111-12
; Sequence 12, Application US/08482111
; Patent No. 5789539
;  GENERAL INFORMATION:
;    APPLICANT:  Daly, Thomas J.
;    APPLICANT:  LaRosa, Gregory J.
;    TITLE OF INVENTION:  Chemokine-Like Proteins and Methods of
;    TITLE OF INVENTION:  Use
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  U.S.A.
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/482,111
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fasse, J. Peter
;      REGISTRATION NUMBER:  32,983
;      REFERENCE/DOCKET NUMBER:  00231/083001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 542-5070
;      TELEFAX:  (617) 542-8906
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  78 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-482-111-12


  Query Match             100.0%;  Score 70;  DB 1;  Length 78;
  Best Local Similarity   100.0%;  Pred. No. 2.5e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
           ||||||||||||
Db      52 EICADPKQKWVQ 63


RESULT   9
PCT-US95-00605-1
; Sequence 1, Application PC/TUS9500605
;  GENERAL INFORMATION:
;    APPLICANT:  Lyle, Leon
;    APPLICANT:  Thomas-Miller, Beth
;    TITLE OF INVENTION:  THERAPEUTIC TREATMENT FOR INHIBITING
;    TITLE OF INVENTION:  VASCULAR RESTENOSIS
;    NUMBER OF SEQUENCES:  23
```

```
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Mallinckrodt Medical, Inc.
;       STREET:  675 McDonnell Boulevard, P.O. Box 5840
;       CITY:  St. Louis
;       STATE:  Missouri
;       COUNTRY:  USA
;       ZIP:  63134
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US95/00605
;       FILING DATE:  13-JAN-1995
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/182,917
;       FILING DATE:  14-JAN-1994
;       APPLICATION NUMBER:  US 07/965,678
;       FILING DATE:  22-OCT-1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Vacca, Rita D.
;       REGISTRATION NUMBER:  33,624
;       REFERENCE/DOCKET NUMBER:  0783.2
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  314-895-7215
;       TELEFAX:  314-895-2156
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  78 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  circular
;     MOLECULE TYPE:  peptide
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FEATURE:
;       NAME/KEY:  Peptide
;       LOCATION:  5..22
PCT-US95-00605-1


  Query Match             100.0%;  Score 70;  DB 5;  Length 78;
  Best Local Similarity   100.0%;  Pred. No. 2.5e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
           ||||||||||||
Db      52 EICADPKQKWVQ 63


RESULT  10
US-08-127-499A-35
; Sequence 35, Application US/08127499A
; Patent No. 5510264
;  GENERAL INFORMATION:
;     APPLICANT:  VAN ALSTYNE, Diane
;     APPLICANT:  SHARMA, Lawrence Rajendra
;     TITLE OF INVENTION:  ANTIBODIES WHICH BIND MENINGITIS RELATED
;     TITLE OF INVENTION:  HOMOLOGOUS ANTIGENIC SEQUENCES
;     NUMBER OF SEQUENCES:  40
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Foley & Lardner
;       STREET:  3000 K Street, N.W., Suite 500
;       CITY:  Washington
;       STATE:  D.C.
;       COUNTRY:  USA
;       ZIP:  20007-5109
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
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;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/127,499A
;       FILING DATE:  28-SEP-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  BENT, Stephen A.
;       REGISTRATION NUMBER:  29,768
;       REFERENCE/DOCKET NUMBER:  51916/102/INBI
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202)672-5300
;       TELEFAX:  (202)672-5399
;       TELEX:  904136
;   INFORMATION FOR SEQ ID NO:  35:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  99 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:
;       TOPOLOGY:  unknown
US-08-127-499A-35


  Query Match             100.0%;  Score 70;  DB 1;  Length 99;
  Best Local Similarity   100.0%;  Pred. No. 3.2e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
           ||||||||||||
Db      73 EICADPKQKWVQ 84


RESULT  11
US-08-482-847-35
; Sequence 35, Application US/08482847
; Patent No. 5556757
;  GENERAL INFORMATION:
;    APPLICANT:  VAN ALSTYNE, Diane
;    APPLICANT:  SHARMA, Lawrence Rajendra
;    TITLE OF INVENTION:  PEPTIDES REPRESENTING EPITOPIC SITES FOR
;    TITLE OF INVENTION:  BACTERIAL AND VIRAL MENINGITIS CAUSING AGENTS AND THEIR
;    TITLE OF INVENTION:  CNS CARRIER, ANTIBODIES THERETO, AND USES THEREOF
;    NUMBER OF SEQUENCES:  40
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/482,847
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/127,499
;      FILING DATE:  28-SEP-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  51916/104/INBI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  35:
;    SEQUENCE CHARACTERISTICS:
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;       LENGTH:  99 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:
;       TOPOLOGY:  unknown
US-08-482-847-35


  Query Match             100.0%;  Score 70;  DB 1;  Length 99;
  Best Local Similarity   100.0%;  Pred. No. 3.2e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
           ||||||||||||
Db      73 EICADPKQKWVQ 84


RESULT  12
US-08-347-492B-8
; Sequence 8, Application US/08347492B
; Patent No. 5602008
;  GENERAL INFORMATION:
;    APPLICANT:  Wilde, Craig G.
;    APPLICANT:  Hawkins, Phillip R.
;    APPLICANT:  Bandman, Olga
;    APPLICANT:  Seilhamer, Jeffrey J.
;    TITLE OF INVENTION:  EXPRESSED CHEMOKINES, THEIR
;    TITLE OF INVENTION:  PRODUCTION AND USES
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Incyte Pharmaceuticals, Inc.
;      STREET:  3174 Porter Drive
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  U.S.
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/347,492B
;      FILING DATE:  29-NOV-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/303,241
;      FILING DATE:  07-SEP-1994
;      APPLICATION NUMBER:  08/320,011
;      FILING DATE:  05-OCT-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Luther, Barbara J
;      REGISTRATION NUMBER:  33,954
;      REFERENCE/DOCKET NUMBER:  PF-0024
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-855-0555
;      TELEFAX:  415-852-0195
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  99 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    IMMEDIATE SOURCE:
;      LIBRARY:  GENBANK
;      CLONE:  GI 487124
US-08-347-492B-8


  Query Match             100.0%;  Score 70;  DB 1;  Length 99;
  Best Local Similarity   100.0%;  Pred. No. 3.2e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy       1 EICADPKQKWVQ 12
           ||||||||||||
Db      73 EICADPKQKWVQ 84


RESULT  13
US-08-480-449-19
; Sequence 19, Application US/08480449
; Patent No. 5688927
;  GENERAL INFORMATION:
;    APPLICANT:  Godiska, Ronald
;    APPLICANT:  Gray, Patrick W.
;    TITLE OF INVENTION:  MACROPHAGE DERIVED CHEMOKINE
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,449
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gass, David A.
;      REGISTRATION NUMBER:  38,153
;      REFERENCE/DOCKET NUMBER:  27866/32779
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  99 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    FEATURE:
;      NAME/KEY:  misc_feature
;      OTHER INFORMATION:  "Hu MCP-1"
US-08-480-449-19


  Query Match             100.0%;  Score 70;  DB 1;  Length 99;
  Best Local Similarity   100.0%;  Pred. No. 3.2e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
           ||||||||||||
Db      73 EICADPKQKWVQ 84


RESULT  14
US-08-479-126B-5
; Sequence 5, Application US/08479126B
; Patent No. 5866373
;  GENERAL INFORMATION:
;    APPLICANT:  LI, HAODONG
;    APPLICANT:  RUBEN, STEVEN M
;    APPLICANT:  SUTTON, GRANGER G III
;    TITLE OF INVENTION:  POLYNUCLEOTIDES ENCODING HUMAN MONOCYTE
;    TITLE OF INVENTION:  CHEMOTACTIC PROTEIN-4 (AS AMENDED)
```

```
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
;      STREET:  1100 NEW YORK AVENUE, SUITE 600
;      CITY:  WASHINGTON
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20005-3934
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/479,126B
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/424,425
;      FILING DATE:  21-APR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/05384
;      FILING DATE:  16-MAY-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  STEFFE, ERIC K
;      REGISTRATION NUMBER:  36,688
;      REFERENCE/DOCKET NUMBER:  1488.0340001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-371-2600
;      TELEFAX:  202-371-2540
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  99 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-479-126B-5


  Query Match             100.0%;  Score 70;  DB 2;  Length 99;
  Best Local Similarity   100.0%;  Pred. No. 3.2e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
           ||||||||||||
Db      73 EICADPKQKWVQ 84


RESULT  15
US-08-421-144A-5
; Sequence 5, Application US/08421144A
; Patent No. 5874211
;  GENERAL INFORMATION:
;    APPLICANT:  BANDMAN, OLGA
;    APPLICANT:  COLEMAN, ROGER
;    APPLICANT:  STUART, SUSAN G.
;    TITLE OF INVENTION:  NEW CHEMOKINE EXPRESSED IN EOSINOPHILS
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  INCYTE PHARMACEUTICALS, INC.
;      STREET:  3174 Porter Drive
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
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;       APPLICATION NUMBER:  US/08/421,144A
;       FILING DATE:  13-APR-1995
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Luther, Barbara J.
;       REGISTRATION NUMBER:  33954
;       REFERENCE/DOCKET NUMBER:  PF-0031 US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  415-855-0555
;       TELEFAX:  415-852-0195
;   INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  99 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
US-08-421-144A-5


  Query Match             100.0%;  Score 70;  DB 2;  Length 99;
  Best Local Similarity   100.0%;  Pred. No. 3.2e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
           ||||||||||||
Db      73 EICADPKQKWVQ 84
```

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	70	100.0	12	13	US-08-927-939-1	Sequence 1, Appli
2	70	100.0	12	15	US-09-150-813-1	Sequence 1, Appli
3	70	100.0	33	26	US-60-160-203-4876	Sequence 4876, Ap
4	70	100.0	34	1	PCT-US01-00663-32230	Sequence 32230, A
5	70	100.0	34	22	US-09-864-761-38961	Sequence 38961, A
6	70	100.0	34	26	US-60-163-123-1897	Sequence 1897, Ap
7	70	100.0	66	8	US-08-492-361-5	Sequence 5, Appli
8	70	100.0	66	12	US-08-887-246-5	Sequence 5, Appli
9	70	100.0	67	8	US-08-492-361-4	Sequence 4, Appli
10	70	100.0	67	12	US-08-887-246-4	Sequence 4, Appli
11	70	100.0	68	8	US-08-492-361-3	Sequence 3, Appli
12	70	100.0	68	12	US-08-887-246-3	Sequence 3, Appli
13	70	100.0	68	18	US-09-463-458-9	Sequence 9, Appli
14	70	100.0	68	18	US-09-463-458-26	Sequence 26, Appl
15	70	100.0	68	18	US-09-463-458-29	Sequence 29, Appl
16	70	100.0	68	18	US-09-463-458A-9	Sequence 9, Appli
17	70	100.0	68	18	US-09-463-458A-26	Sequence 26, Appl
18	70	100.0	68	18	US-09-463-458A-29	Sequence 29, Appl
19	70	100.0	68	18	US-09-463-458A-30	Sequence 30, Appl
20	70	100.0	69	8	US-08-492-361-2	Sequence 2, Appli
21	70	100.0	69	12	US-08-887-246-2	Sequence 2, Appli
22	70	100.0	69	18	US-09-463-458A-31	Sequence 31, Appl
23	70	100.0	69	18	US-09-463-458A-32	Sequence 32, Appl
24	70	100.0	76	3	US-07-965-678-1	Sequence 1, Appli
25	70	100.0	76	8	US-08-492-361-1	Sequence 1, Appli
26	70	100.0	76	12	US-08-887-246-1	Sequence 1, Appli
27	70	100.0	76	14	US-09-043-861-31	Sequence 31, Appl
28	70	100.0	76	15	US-09-120-523-20	Sequence 20, Appl
29	70	100.0	76	15	US-09-195-457-5	Sequence 5, Appli
30	70	100.0	76	17	US-09-360-242-20	Sequence 20, Appl
31	70	100.0	76	18	US-09-453-851A-20	Sequence 20, Appl
32	70	100.0	76	21	US-09-792-793A-20	Sequence 20, Appl
33	70	100.0	76	26	US-60-207-578-11	Sequence 11, Appl
34	70	100.0	78	1	PCT-US95-13897-12	Sequence 12, Appl
35	70	100.0	78	1	PCT-US96-16959-14	Sequence 14, Appl

36	70	100.0	78	5	US-08-182-917-1	Sequence 1, Appli
37	70	100.0	78	11	US-08-740-033-14	Sequence 14, Appl
38	70	100.0	78	16	US-09-225-501-14	Sequence 14, Appl
39	70	100.0	78	19	US-09-567-225-14	Sequence 14, Appl
40	70	100.0	99	1	PCT-US00-29351-5	Sequence 5, Appli
41	70	100.0	99	1	PCT-US94-08207A-32	Sequence 32, Appl
42	70	100.0	99	1	PCT-US94-08207-32	Sequence 32, Appl
43	70	100.0	99	1	PCT-US97-17900-5	Sequence 5, Appli
44	70	100.0	99	4	US-08-009-257-9	Sequence 9, Appli
45	70	100.0	99	5	US-08-136-117-32	Sequence 32, Appl

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RESULT   1
US-08-927-939-1
; Sequence 1, Application US/08927939
; GENERAL INFORMATION:
;  APPLICANT: Grainger, David J.
;  APPLICANT: Tatalick, Lauen Marie
;  TITLE OF INVENTION: Compounds and methods to inhibit or
;  TITLE OF INVENTION: augment an inflammatory response.
;  FILE REFERENCE: 295.022US1
;  CURRENT APPLICATION NUMBER: US/08/927,939
;  CURRENT FILING DATE: 1997-09-11
;  NUMBER OF SEQ ID NOS: 83
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
;   LENGTH: 12
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-08-927-939-1


  Query Match             100.0%;  Score 70;  DB 13;  Length 12;
  Best Local Similarity   100.0%;  Pred. No. 0.0001;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 EICADPKQKWVQ 12
           ||||||||||||
Db       1 EICADPKQKWVQ 12
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SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	70	100.0	12	4	US-08-927-939A-1	Sequence 1, Appli
2	70	100.0	68	5	US-09-463-458A-9	Sequence 9, Appli
3	70	100.0	68	5	US-09-463-458A-26	Sequence 26, Appl
4	70	100.0	68	5	US-09-463-458A-29	Sequence 29, Appl
5	70	100.0	68	5	US-09-463-458A-30	Sequence 30, Appl
6	70	100.0	69	5	US-09-463-458A-31	Sequence 31, Appl
7	70	100.0	69	5	US-09-463-458A-32	Sequence 32, Appl
8	70	100.0	99	4	US-08-390-740B-9	Sequence 9, Appli
9	70	100.0	99	4	US-08-927-939A-16	Sequence 16, Appl
10	70	100.0	99	5	US-09-920-137A-9	Sequence 9, Appli
11	70	100.0	99	5	US-09-920-267A-9	Sequence 9, Appli
12	70	100.0	99	6	US-10-057-275-9	Sequence 9, Appli
13	70	100.0	99	6	US-10-146-496-9	Sequence 9, Appli
14	70	100.0	99	6	US-10-141-965-5	Sequence 5, Appli
15	70	100.0	99	6	US-10-137-655-9	Sequence 9, Appli
16	69	98.6	12	4	US-08-927-939A-13	Sequence 13, Appl
17	67	95.7	12	4	US-08-927-939A-65	Sequence 65, Appl
18	67	95.7	98	4	US-08-927-939A-50	Sequence 50, Appl
19	67	95.7	98	4	US-08-927-939A-83	Sequence 83, Appl

Result No.	Score	Query Match	Length	DB	ID	Description
1	70	100.0	99	2	A60299	monocyte chemoattr
2	68	97.1	99	1	A39296	monocyte chemoattr
3	68	97.1	99	2	JC2336	monocyte chemoattr
4	66	94.3	99	2	JC2136	monocyte chemoattr
5	65	92.9	99	2	JC2417	monocyte chemoattr
6	65	92.9	125	2	I46857	monocyte chemoattr
7	64	91.4	109	2	A54678	monocyte chemotact
8	63	90.0	120	2		

SEQ ID NO: 14

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	70	100.0	12	20	AAY14245	Chemokine peptide,
2	70	100.0	12	21	AAB15783	Human chemokine de
3	70	100.0	12	21	AAB18362	Human chemokine de
4	70	100.0	12	22	AAY72681	Human monocyte che
5	70	100.0	14	20	AAY14259	Chemokine peptide,
6	69	98.6	12	20	AAY14241	Chemokine peptide,
7	69	98.6	12	21	AAB15779	Human chemokine de

RESULT 1
AAY14245
ID AAY14245 standard; peptide; 12 AA.
XX
AC AAY14245;
XX
DT 29-JUL-1999 (first entry)
XX
DE Chemokine peptide, Leu4Ile11Pep3(1-12)[MCP-1].
XX
KW Chemokine; immune response; monocyte chemoattractant protein-1; MCP-1;
KW chemokine-induced activity; inflammatory response; vascular indication;
KW haematopoietic cell-associated activity; tumour; coronary artery disease;
KW myocardial infarction; unstable angina pectoris; atherosclerosis; asthma;
KW vasculitis; lentiviral infection; low bone mineral density; suppressor;
KW parasitic infection; autoimmune disease; psoriasis; wound healing;
KW organ transplant rejection; rheumatoid arthritis; allergy; therapy;
KW arachidonic acid pathway.
XX
OS Homo sapiens.
OS Synthetic.
XX
PN WO9912968-A2.
XX
PD 18-MAR-1999.
XX
PF 11-SEP-1998; 98WO-US19052.
XX
PR 11-SEP-1997; 97US-0927939.
XX
PA (NEOR-) NEORX CORP.
XX
PI Grainger DJ, Kanaly ST, Tatalick LM;
XX
DR WPI; 1999-347124/29.
XX

PT New chemokine peptides and mimetics
XX
PS Example 1; Page 134; 208pp; English.
XX
CC This sequence represents a fragment of the chemokine hMCP-1.
CC The invention relates to chemokine peptides and mimetics, particularly
CC derived from monocyte chemoattractant protein-1 (MCP-1). The chemokine
CC peptides and variants and derivatives can inhibit or reduce or increase,
CC or enhance chemokine-induced activity. They can be used for increasing or
CC enhancing an inflammatory response, an immune response or haematopoietic
CC cell-associated activity at a tumour site. They can also be used for
CC preventing or inhibiting an indication associated with haematopoietic
CC cell recruitment or histamine release from basophils or mast cells. They
CC can also be used to modulate the chemokine-induced activity of
CC haematopoietic cells at a preselected physiological site, to treat a
CC vascular indication, e.g. coronary artery disease, myocardial infarction,
CC unstable angina pectoris, atherosclerosis, or vasculitis, lentiviral
CC infection or replication (e.g. HIV), low bone mineral density, a
CC parasitic infection in a vertebrate animal (e.g. malaria), an autoimmune
CC disease, to suppress tumour growth in a vertebrate animal, to prevent or
CC treat psoriasis in a mammal, to enhance wound healing, to prevent or
CC treat asthma, organ transplant rejection, rheumatoid arthritis or
CC allergy. They can also be used to inhibit a product or intermediate in
CC the arachidonic acid pathway and where leukotriene, thromboxane and/or
CC prostaglandin are inhibited and to prevent or inhibit an indication
CC associated with elevated TNF-alpha.
XX
SQ Sequence 12 AA;

Query Match 100.0%; Score 70; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.7e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 EICLDPKQKWIQ 12
          ||||||||||||
Db      1 eicldpkqkwiq 12
```

RESULT 2
AAB15783
ID AAB15783 standard; Peptide; 12 AA.
XX
AC AAB15783;
XX
DT 17-JAN-2001 (first entry)
XX
DE Human chemokine derived peptide SEQ ID NO: 14.
XX
KW Macrophage recruitment; chemokine derivative; MCP-1; osteoporosis;
KW monocyte chemoattractant protein-1; inflammation; atherosclerosis; HIV;
KW AIDS; stroke; psoriasis; autoimmune disease; hypertension; endotoxaemia;
KW basophil-mediated disease; myocardial infarction; acute ischaemia;
KW rheumatoid arthritis; contraception.
XX
OS Synthetic.
XX
PN WO200042071-A2.
XX
PD 20-JUL-2000.
XX
PF 12-JAN-2000; 2000WO-US00821.
XX
PR 12-JAN-1999; 99US-0229071.
PR 17-MAR-1999; 99US-0271192.
PR 01-DEC-1999; 99US-0452406.
XX
PA (NEOR-) NEORX CORP.
XX
PI Grainger DJ, Tatalick LM;
XX

DR WPI; 2000-499101/44.
XX
PT New peptide 3, amide and heterocyclic compounds and saccharide
PT conjugates used for inhibiting chemokine induced activity and for
PT treating e.g. stroke, vascular diseases, autoimmune diseases and tumour
PT growth -
XX
PS Example 2; Page 139; 387pp; English.
XX
CC The present invention concerns the identification of a number of
CC chemokines which can be used to produce derivatives, agonists and
CC antagonists which are then useful in disease treatment. The chemokines
CC include sequences AAB15785-B15794, AAB15803-B15813 and AAB15831-B15848.
CC These chemokine derivatives can be used to treat diseases such as
CC autoimmune diseases, atherosclerosis, osteoporosis, HIV infection and
CC AIDS, psoriasis, inflammatory diseases, hypertension, basophil-mediated
CC diseases, endotoxaemia, myocardial infarction, acute ischaemia and
CC rheumatoid arthritis, and can be used to prevent strokes and as
CC contraceptives. The coding sequences for the chemokines can be used in
CC gene therapy for the same diseases, as well as in the production of
CC animal models.
XX
SQ Sequence 12 AA;

Query Match 100.0%; Score 70; DB 21; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.7e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EICLDPKQKWIQ 12
||||||||||||
Db 1 eicldpkqkwiq 12

RESULT 3
AAB18362
ID AAB18362 standard; Peptide; 12 AA.
XX
AC AAB18362;
XX
DT 17-JAN-2001 (first entry)
XX
DE Human chemokine derived peptide #45.
XX
KW Macrophage recruitment; chemokine derivative; MCP-1; osteoporosis;
KW monocyte chemoattractant protein-1; inflammation; atherosclerosis; HIV;
KW AIDS; stroke; psoriasis; autoimmune disease; hypertension; endotoxaemia;
KW basophil-mediated disease; myocardial infarction; acute ischaemia;
KW rheumatoid arthritis; contraception.
XX
OS Synthetic.
XX
PN WO200042071-A2.
XX
PD 20-JUL-2000.
XX
PF 12-JAN-2000; 2000WO-US00821.
XX
PR 12-JAN-1999; 99US-0229071.
PR 17-MAR-1999; 99US-0271192.
PR 01-DEC-1999; 99US-0452406.
XX
PA (NEOR-) NEORX CORP.
XX
PI Grainger DJ, Tatalick LM;
XX
DR WPI; 2000-499101/44.
XX
PT New peptide 3, amide and heterocyclic compounds and saccharide
PT conjugates used for inhibiting chemokine induced activity and for
PT treating e.g. stroke, vascular diseases, autoimmune diseases and tumour

PT growth -
XX
PS Disclosure; Fig 19; 387pp; English.
XX
CC The present invention concerns the identification of a number of
CC chemokines which can be used to produce derivatives, agonists and
CC antagonists which are then useful in disease treatment. The chemokines
CC include sequences AAB15785-B15794, AAB15803-B15813 and AAB15831-B15848.
CC These chemokine derivatives can be used to treat diseases such as
CC autoimmune diseases, atherosclerosis, osteoporosis, HIV infection and
CC AIDS, psoriasis, inflammatory diseases, hypertension, basophil-mediated
CC diseases, endotoxaemia, myocardial infarction, acute ischaemia and
CC rheumatoid arthritis, and can be used to prevent strokes and as
CC contraceptives. The coding sequences for the chemokines can be used in
CC gene therapy for the same diseases, as well as in the production of
CC animal models.
XX
SQ Sequence 12 AA;

Query Match 100.0%; Score 70; DB 21; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.7e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 EICLDPKQKWIQ 12
          ||||||||||||
Db      1 eicldpkqkwiq 12
```

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	65	92.9	81	2	US-08-436-420-34	Sequence 34, Appl
2	64	91.4	76	1	US-07-956-862A-1	Sequence 1, Appli
3	64	91.4	76	1	US-08-250-958-1	Sequence 1, Appli
4	64	91.4	76	1	US-08-235-659-1	Sequence 1, Appli
5	64	91.4	76	2	US-08-716-188-2	Sequence 2, Appli
6	64	91.4	76	2	US-08-615-232A-5	Sequence 5, Appli
7	64	91.4	76	3	US-08-470-323-5	Sequence 5, Appli
8	64	91.4	78	1	US-08-330-163-12	Sequence 12, Appl
9	64	91.4	78	1	US-08-482-111-12	Sequence 12, Appl
10	64	91.4	78	5	PCT-US95-00605-1	Sequence 1, Appli
11	64	91.4	79	2	US-08-436-420-36	Sequence 36, Appl
12	64	91.4	99	1	US-08-127-499A-35	Sequence

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	65	92.9	95	2	JN0841	interleukin-8 - do
2	65	92.9	101	2	S42496	interleukin-8 prec
3	65	92.9	103	2	A53096	interleukin-8 prec
4	64	91.4	99	2	A60299	monocyte chemoattr
5	64	91.4	101	2	I46871	interleukin-8 - ra
6	62	88.6	99	1	A39296	monocyte chemoattr
7	62	88.6	99	2	JC2336	monocyte chemoattr
8	60	85.7	99	2	JC2136	monocyte chemoattr

RESULT 1
JN0841
interleukin-8 - dog
C;Species: Canis lupus familiaris (dog)

09150813 Results

SEQ ID NO: 1

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	70	100.0	12	13	US-08-927-939-1	Sequence 1, Appli
2	70	100.0	12	15	US-09-150-813-1	Sequence 1, Appli
3	70	100.0	33	26	US-60-160-203-4876	Sequence 4876, Ap
4	70	100.0	34	1	PCT-US01-00663-32230	Sequence 32230, A
5	70	100.0	34	22	US-09-864-761-38961	Sequence 38961, A
6	70	100.0	34	26	US-60-163-123-1897	Sequence 1897, Ap
7	70	100.0	66	8	US-08-492-361-5	Sequence 5, Appli
8	70	100.0	66	12	US-08-887-246-5	Sequence 5, Appli
9	70	100.0	67	8	US-08-492-361-4	Sequence 4, Appli
10	70	100.0	67	12	US-08-887-246-4	Sequence 4, Appli
11	70	100.0	68	8	US-08-492-361-3	Sequence 3, Appli
12	70	100.0	68	12	US-08-887-246-3	Sequence 3, Appli
13	70	100.0	68	18	US-09-463-458-9	Sequence 9, Appli
14	70	100.0	68	18	US-09-463-458-26	Sequence 26, Appl
15	70	100.0	68	18	US-09-463-458-29	Sequence 29, Appl
16	70	100.0	68	18	US-09-463-458A-9	Sequence 9, Appli
17	70	100.0	68	18	US-09-463-458A-26	Sequence 26, Appl
18	70	100.0	68	18	US-09-463-458A-29	Sequence 29, Appl
19	70	100.0	68	18	US-09-463-458A-30	Sequence 30, Appl
20	70	100.0	69	8	US-08-492-361-2	Sequence 2, Appli
21	70	100.0	69	12	US-08-887-246-2	Sequence 2, Appli
22	70	100.0	69	18	US-09-463-458A-31	Sequence 31, Appl
23	70	100.0	69	18	US-09-463-458A-32	Sequence 32, Appl
24	70	100.0	76	3	US-07-965-678-1	Sequence 1, Appli
25	70	100.0	76	8	US-08-492-361-1	Sequence 1, Appli
26	70	100.0	76	12	US-08-887-246-1	Sequence 1, Appli
27	70	100.0	76	14	US-09-043-861-31	Sequence 31, Appl
28	70	100.0	76	15	US-09-120-523-20	Sequence 20, Appl
29	70	100.0	76	15	US-09-195-457-5	Sequence 5, Appli
30	70	100.0	76	17	US-09-360-242-20	Sequence 20, Appl
31	70	100.0	76	18	US-09-453-851A-20	Sequence 20, Appl
32	70	100.0	76	21	US-09-792-793A-20	Sequence 20, Appl
33	70	100.0	76	26	US-60-207-578-11	Sequence 11, Appl
34	70	100.0	78	1	PCT-US95-13897-12	Sequence 12, Appl
35	70	100.0	78	1	PCT-US96-16959-14	Sequence 14, Appl
36	70	100.0	78	5	US-08-182-917-1	Sequence 1, Appli
37	70	100.0	78	11	US-08-740-033-14	Sequence 14, Appl
38	70	100.0	78	16	US-09-225-501-14	Sequence 14, Appl
39	70	100.0	78	19	US-09-567-225-14	Sequence 14, Appl
40	70	100.0	99	1	PCT-US00-29351-5	Sequence 5, Appli
41	70	100.0	99	1	PCT-US94-08207A-32	Sequence 32, Appl
42	70	100.0	99	1	PCT-US94-08207-32	Sequence 32, Appl
43	70	100.0	99	1	PCT-US97-17900-5	Sequence 5, Appli
44	70	100.0	99	4	US-08-009-257-9	Sequence 9, Appli
45	70	100.0	99	5	US-08-136-117-32	Sequence 32, Appl

```
RESULT   1
US-08-927-939-1
; Sequence 1, Application US/08927939
; GENERAL INFORMATION:
;  APPLICANT: Grainger, David J.
;  APPLICANT: Tatalick, Lauen Marie
;  TITLE OF INVENTION: Compounds and methods to inhibit or
;  TITLE OF INVENTION: augment an inflammatory response.
;  FILE REFERENCE: 295.022US1
;  CURRENT APPLICATION NUMBER: US/08/927,939
;  CURRENT FILING DATE: 1997-09-11
;  NUMBER OF SEQ ID NOS: 83
;  SOFTWARE: FastSEQ for Windows Version 3.0
```

; SEQ ID NO 1
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Homo sapiens
US-08-927-939-1

Query Match 100.0%; Score 70; DB 13; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.0001;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       1 EICADPKQKWVQ 12
           ||||||||||||
Db       1 EICADPKQKWVQ 12
```

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	70	100.0	12	4	US-08-927-939A-1	Sequence 1, Appli
2	70	100.0	68	5	US-09-463-458A-9	Sequence 9, Appli
3	70	100.0	68	5	US-09-463-458A-26	Sequence 26, Appl
4	70	100.0	68	5	US-09-463-458A-29	Sequence 29, Appl
5	70	100.0	68	5	US-09-463-458A-30	Sequence 30, Appl
6	70	100.0	69	5	US-09-463-458A-31	Sequence 31, Appl
7	70	100.0	69	5	US-09-463-458A-32	Sequence 32, Appl
8	70	100.0	99	4	US-08-390-740B-9	Sequence 9, Appli
9	70	100.0	99	4	US-08-927-939A-16	Sequence 16, Appl
10	70	100.0	99	5	US-09-920-137A-9	Sequence 9, Appli
11	70	100.0	99	5	US-09-920-267A-9	Sequence 9, Appli
12	70	100.0	99	6	US-10-057-275-9	Sequence 9, Appli
13	70	100.0	99	6	US-10-146-496-9	Sequence 9, Appli
14	70	100.0	99	6	US-10-141-965-5	Sequence 5, Appli
15	70	100.0	99	6	US-10-137-655-9	Sequence 9, Appli
16	69	98.6	12	4	US-08-927-939A-13	Sequence 13, Appl
17	67	95.7	12	4	US-08-927-939A-65	Sequence 65, Appl
18	67	95.7	98	4	US-08-927-939A-50	Sequence 50, Appl
19	67	95.7	98	4	US-08-927-939A-83	Sequence 83, Appl

Result No.	Score	Query Match	Length	DB	ID	Description
1	70	100.0	99	2	A60299	monocyte chemoattr
2	68	97.1	99	1	A39296	monocyte chemoattr
3	68	97.1	99	2	JC2336	monocyte chemoattr
4	66	94.3	99	2	JC2136	monocyte chemoattr
5	65	92.9	99	2	JC2417	monocyte chemoattr
6	65	92.9	125	2	I46857	monocyte chemoattr
7	64	91.4	109	2	A54678	monocyte chemotact
8	63	90.0	120	2		

SEQ ID NO: 14

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	70	100.0	12	20	AAY14245	Chemokine peptide,
2	70	100.0	12	21	AAB15783	Human chemokine de

3	70	100.0	12	21	AAB18362	Human chemokine de
4	70	100.0	12	22	AAY72681	Human monocyte che
5	70	100.0	14	20	AAY14259	Chemokine peptide,
6	69	98.6	12	20	AAY14241	Chemokine peptide,
7	69	98.6	12	21	AAB15779	Human chemokine de

RESULT 1
AAY14245
ID AAY14245 standard; peptide; 12 AA.
XX
AC AAY14245;
XX
DT 29-JUL-1999 (first entry)
XX
DE Chemokine peptide, Leu4Ile11Pep3(1-12)[MCP-1].
XX
KW Chemokine; immune response; monocyte chemoattractant protein-1; MCP-1;
KW chemokine-induced activity; inflammatory response; vascular indication;
KW haematopoietic cell-associated activity; tumour; coronary artery disease;
KW myocardial infarction; unstable angina pectoris; atherosclerosis; asthma;
KW vasculitis; lentiviral infection; low bone mineral density; suppressor;
KW parasitic infection; autoimmune disease; psoriasis; wound healing;
KW organ transplant rejection; rheumatoid arthritis; allergy; therapy;
KW arachidonic acid pathway.
XX
OS Homo sapiens.
OS Synthetic.
XX
PN WO9912968-A2.
XX
PD 18-MAR-1999.
XX
PF 11-SEP-1998; 98WO-US19052.
XX
PR 11-SEP-1997; 97US-0927939.
XX
PA (NEOR-) NEORX CORP.
XX
PI Grainger DJ, Kanaly ST, Tatalick LM;
XX
DR WPI; 1999-347124/29.
XX
PT New chemokine peptides and mimetics
XX
PS Example 1; Page 134; 208pp; English.
XX
CC This sequence represents a fragment of the chemokine hMCP-1.
CC The invention relates to chemokine peptides and mimetics, particularly
CC derived from monocyte chemoattractant protein-1 (MCP-1). The chemokine
CC peptides and variants and derivatives can inhibit or reduce or increase,
CC or enhance chemokine-induced activity. They can be used for increasing or
CC enhancing an inflammatory response, an immune response or haematopoietic
CC cell-associated activity at a tumour site. They can also be used for
CC preventing or inhibiting an indication associated with haematopoietic
CC cell recruitment or histamine release from basophils or mast cells. They
CC can also be used to modulate the chemokine-induced activity of
CC haematopoietic cells at a preselected physiological site, to treat a
CC vascular indication, e.g. coronary artery disease, myocardial infarction,
CC unstable angina pectoris, atherosclerosis, or vasculitis, lentiviral
CC infection or replication (e.g. HIV), low bone mineral density, a
CC parasitic infection in a vertebrate animal (e.g. malaria), an autoimmune
CC disease, to suppress tumour growth in a vertebrate animal, to prevent or
CC treat psoriasis in a mammal, to enhance wound healing, to prevent or
CC treat asthma, organ transplant rejection, rheumatoid arthritis or
CC allergy. They can also be used to inhibit a product or intermediate in
CC the arachidonic acid pathway and where leukotriene, thromboxane and/or
CC prostaglandin are inhibited and to prevent or inhibit an indication
CC associated with elevated TNF-alpha.

XX
SQ Sequence 12 AA;

Query Match 100.0%; Score 70; DB 20; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.7e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EICLDPKQKWIQ 12
||||||||||||
Db 1 eicldpkqkwiq 12

RESULT 2
AAB15783
ID AAB15783 standard; Peptide; 12 AA.
XX
AC AAB15783;
XX
DT 17-JAN-2001 (first entry)
XX
DE Human chemokine derived peptide SEQ ID NO: 14.
XX
KW Macrophage recruitment; chemokine derivative; MCP-1; osteoporosis;
KW monocyte chemoattractant protein-1; inflammation; atherosclerosis; HIV;
KW AIDS; stroke; psoriasis; autoimmune disease; hypertension; endotoxaemia;
KW basophil-mediated disease; myocardial infarction; acute ischaemia;
KW rheumatoid arthritis; contraception.
XX
OS Synthetic.
XX
PN WO200042071-A2.
XX
PD 20-JUL-2000.
XX
PF 12-JAN-2000; 2000WO-US00821.
XX
PR 12-JAN-1999; 99US-0229071.
PR 17-MAR-1999; 99US-0271192.
PR 01-DEC-1999; 99US-0452406.
XX
PA (NEOR-) NEORX CORP.
XX
PI Grainger DJ, Tatalick LM;
XX
DR WPI; 2000-499101/44.
XX
PT New peptide 3, amide and heterocyclic compounds and saccharide
PT conjugates used for inhibiting chemokine induced activity and for
PT treating e.g. stroke, vascular diseases, autoimmune diseases and tumour
PT growth -
XX
PS Example 2; Page 139; 387pp; English.
XX
CC The present invention concerns the identification of a number of
CC chemokines which can be used to produce derivatives, agonists and
CC antagonists which are then useful in disease treatment. The chemokines
CC include sequences AAB15785-B15794, AAB15803-B15813 and AAB15831-B15848.
CC These chemokine derivatives can be used to treat diseases such as
CC autoimmune diseases, atherosclerosis, osteoporosis, HIV infection and
CC AIDS, psoriasis, inflammatory diseases, hypertension, basophil-mediated
CC diseases, endotoxaemia, myocardial infarction, acute ischaemia and
CC rheumatoid arthritis, and can be used to prevent strokes and as
CC contraceptives. The coding sequences for the chemokines can be used in
CC gene therapy for the same diseases, as well as in the production of
CC animal models.
XX
SQ Sequence 12 AA;

Query Match 100.0%; Score 70; DB 21; Length 12;

Best Local Similarity 100.0%; Pred. No. 2.7e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy      1 EICLDPKQKWIQ 12
          ||||||||||||
Db      1 eicldpkqkwiq 12
```

RESULT 3
AAB18362
ID AAB18362 standard; Peptide; 12 AA.
XX
AC AAB18362;
XX
DT 17-JAN-2001 (first entry)
XX
DE Human chemokine derived peptide #45.
XX
KW Macrophage recruitment; chemokine derivative; MCP-1; osteoporosis;
KW monocyte chemoattractant protein-1; inflammation; atherosclerosis; HIV;
KW AIDS; stroke; psoriasis; autoimmune disease; hypertension; endotoxaemia;
KW basophil-mediated disease; myocardial infarction; acute ischaemia;
KW rheumatoid arthritis; contraception.
XX
OS Synthetic.
XX
PN WO200042071-A2.
XX
PD 20-JUL-2000.
XX
PF 12-JAN-2000; 2000WO-US00821.
XX
PR 12-JAN-1999; 99US-0229071.
PR 17-MAR-1999; 99US-0271192.
PR 01-DEC-1999; 99US-0452406.
XX
PA (NEOR-) NEORX CORP.
XX
PI Grainger DJ, Tatalick LM;
XX
DR WPI; 2000-499101/44.
XX
PT New peptide 3, amide and heterocyclic compounds and saccharide
PT conjugates used for inhibiting chemokine induced activity and for
PT treating e.g. stroke, vascular diseases, autoimmune diseases and tumour
PT growth -
XX
PS Disclosure; Fig 19; 387pp; English.
XX
CC The present invention concerns the identification of a number of
CC chemokines which can be used to produce derivatives, agonists and
CC antagonists which are then useful in disease treatment. The chemokines
CC include sequences AAB15785-B15794, AAB15803-B15813 and AAB15831-B15848.
CC These chemokine derivatives can be used to treat diseases such as
CC autoimmune diseases, atherosclerosis, osteoporosis, HIV infection and
CC AIDS, psoriasis, inflammatory diseases, hypertension, basophil-mediated
CC diseases, endotoxaemia, myocardial infarction, acute ischaemia and
CC rheumatoid arthritis, and can be used to prevent strokes and as
CC contraceptives. The coding sequences for the chemokines can be used in
CC gene therapy for the same diseases, as well as in the production of
CC animal models.
XX
SQ Sequence 12 AA;

Query Match 100.0%; Score 70; DB 21; Length 12;
Best Local Similarity 100.0%; Pred. No. 2.7e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy      1 EICLDPKQKWIQ 12
          ||||||||||||
```

Db 1 eicldpkqkwiq 12

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	65	92.9	81	2	US-08-436-420-34	Sequence 34, Appl
2	64	91.4	76	1	US-07-956-862A-1	Sequence 1, Appli
3	64	91.4	76	1	US-08-250-958-1	Sequence 1, Appli
4	64	91.4	76	1	US-08-235-659-1	Sequence 1, Appli
5	64	91.4	76	2	US-08-716-188-2	Sequence 2, Appli
6	64	91.4	76	2	US-08-615-232A-5	Sequence 5, Appli
7	64	91.4	76	3	US-08-470-323-5	Sequence 5, Appli
8	64	91.4	78	1	US-08-330-163-12	Sequence 12, Appl
9	64	91.4	78	1	US-08-482-111-12	Sequence 12, Appl
10	64	91.4	78	5	PCT-US95-00605-1	Sequence 1, Appli
11	64	91.4	79	2	US-08-436-420-36	Sequence 36, Appl
12	64	91.4	99	1	US-08-127-499A-35	Sequence

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	65	92.9	95	2	JN0841	interleukin-8 - do
2	65	92.9	101	2	S42496	interleukin-8 prec
3	65	92.9	103	2	A53096	interleukin-8 prec
4	64	91.4	99	2	A60299	monocyte chemoattr
5	64	91.4	101	2	I46871	interleukin-8 - ra
6	62	88.6	99	1	A39296	monocyte chemoattr
7	62	88.6	99	2	JC2336	monocyte chemoattr
8	60	85.7	99	2	JC2136	monocyte chemoattr

RESULT 1
JN0841
interleukin-8 - dog
C;Species: Canis lupus familiaris (dog)
C;Date: 19-May-1994 #sequence_revision 19-May-1994 #text_change 12-Apr-1995
C;Accession: JN0841
R;Ishikawa, J.; Suzuki, S.; Hotta, K.; Hirota, Y.; Mizuno, S.; Suzuki, K.
Gene 131, 305-306, 1993
A;Title: Cloning of a canine gene homologous to the human interleukin-8-encoding gene.
A;Reference number: JN0841; MUID:94010328
A;Accession: JN0841
A;Molecule type: DNA
A;Residues: 1-95 <ISH>
C;Comment: This protein is a polymorphonuclear leukocyles chemotactic factor and is involved in the host defense function.
C;Genetics:
A;Introns: 22/1; 67/2
C;Superfamily: beta-thromboglobulin

Query Match 92.9%; Score 65; DB 2; Length 95;
Best Local Similarity 75.0%; Pred. No. 0.00019;
Matches 9; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EICLDPKQKWIQ 12
|:|||||:||:|
Db 75 EVCLDPKEKWVQ 86

SEQ ID NO: 7

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	61	100.0	10	20	AAY14238	Chemokine peptide,
2	61	100.0	10	21	AAB15776	Human chemokine de
3	61	100.0	10	21	AAB15860	Human chemokine de
4	61	100.0	10	21	AAB18358	Human chemokine de
5	61	100.0	12	20	AAY14232	Chemokine peptide,
6	61	100.0	12	21	AAB15770	Human chemokine de
7	61	100.0	12	21	AAB15859	Human chemokine de
8	61	100.0	12	21	AAB18355	Human chemokine de
9	61	100.0	12	22	AAY72680	Human monocyte che
10	61	100.0	34	22	ABB38514	Peptide #6020 enco
11	61	100.0	34	22	ABB23663	Protein #5662 enco
12	61	100.0	34	22	AAM59132	Human brain expres
13	61	100.0	34	22	AAM71667	Human bone marrow
14	61	100.0	34	22	AAM19261	Peptide #5695 enco
15	61	100.0	34	22	AAM31961	Peptide #5998 enco
16	61	100.0	66	18	AAW13598	Monocyte chemoattr
17	61	100.0	67	18	AAW13599	Monocyte chemoattr

RESULT 9
AAY72680
ID AAY72680 standard; peptide; 12 AA.
XX
AC AAY72680;
XX
DT 31-MAY-2001 (first entry)
XX
DE Human monocyte chemoattractant protein-1 (MCP-1) fragment #1.
XX
KW Human; monocyte chemoattractant protein-1; MCP-1; therapy;
KW atherosclerotic plaque; autoimmune disease; asthma; inhibitor;
KW ligand-protein binding; rheumatoid arthritis.
XX
OS Homo sapiens.
XX
PN WO200114886-A2.
XX
PD 01-MAR-2001.
XX
PF 23-AUG-2000; 2000WO-US23346.
XX
PR 23-AUG-1999; 99US-0150230.
PR 23-AUG-1999; 99US-0150318.
PR 03-SEP-1999; 99US-0152421.
XX
PA (POLA-) POLARIS PHARM INC.
XX
PI Jenson JC, Sworin M;
XX
DR WPI; 2001-211321/21.
XX
PT Identifying inhibitors of binding between a protein and a ligand,
PT comprises preparing analogs of a lead compound which inhibit binding,
PT combining analog, ligand, protein and assaying inhibition of
PT ligand-protein binding -
XX
PS Disclosure; Page 12; 45pp; English.
XX
CC The invention relates to identification of compounds which inhibit
CC the binding between a target protein and a macromolecular ligand.
CC These compounds comprise a targeting group, an attaching group

CC and optionally a linker group. They are capable of covalently
CC binding to the surface of a target protein in sufficient
CC proximity to the target protein/ligand binding site inorder to
CC inhibit binding of ligand with the target protein. The compounds
CC of the invention serve as potent inhibitors and are useful as
CC drugs which can inhibit protein/macromolecular ligand binding or
CC can serve as leads to optimise biological activity or some other
CC pharmacologically relevant property. The compounds are also
CC useful for detecting target protein in a sample or assessing the
CC quantity of target protein in a sample which is useful for
CC diagnosing a disease characterised by over or under abundance of
CC target protein in a tissue or blood sample. They are also used to
CC assess whether the individual expresses target protein or its
CC polymorphic form, where the compound has greater affinity for
CC target protein than its polymorphic form or vice versa.
CC The present sequence is a fragment of human monocyte chemoattractant
CC protein-1 (MCP-1). This sequence functions as a degradable targeting
CC group and inhibits the binding between MCP-1 and its receptor.
CC Hence this peptide can be useful as drugs in the treatment of
CC atherosclerotic plaque and autoimmune diseases such as asthma and
CC rheumatoid arthritis.
XX
SQ Sequence 12 AA;

Query Match 100.0%; Score 61; DB 22; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.00026;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy       1 CADPKQKWVQ 10
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Db       3 cadpkqkwvq 12
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Result No.	Score	Query Match	Length	DB	ID	Description
1	61	100.0	76	1	US-07-956-862A-1	Sequence 1, Appli
2	61	100.0	76	1	US-08-250-958-1	Sequence 1, Appli
3	61	100.0	76	1	US-08-235-659-1	Sequence 1, Appli
4	61	100.0	76	2	US-08-716-188-2	Sequence 2, Appli
5	61	100.0	76	2	US-08-615-232A-5	Sequence 5, Appli
6	61	100.0	76	3	US-08-470-323-5	Sequence 5, Appli
7	61	100.0	78	1	US-08-330-163-12	Sequence 12, Appl
8	61	100.0	78	1	US-08-482-111-12	Sequence 12, Appl
9	61	100.0	78	5	PCT-US95-00605-1	Sequence 1, Appli
10	61	100.0	99	1	US-08-127-499A-35	Sequence 35, Appl
11	61	100.0	99	1	US-08-482-847-35	Sequence 35, Appl
12	61	100.0	99	1	US-08-347-492B-8	Sequence 8, Appli
13	61	100.0	99	1	US-08-480-449-19	Sequence 19, Appl
14	61	100.0	99	2	US-08-479-126B-5	Sequence 5, Appli
15	61	100.0	99	2	US-08-421-144A-5	Sequence 5, Appli
16	61	100.0	99	2	US-08-726-830A-5	Sequence 5, Appli
17	61	100.0	99	2	US-08-660-542-19	Sequence 19, Appl
18	61	100.0	99	2	US-08-798-143-8	Sequence 8, Appli
19	61	100.0	99	3	US-07-927-391-24	Sequence 24, Appl
20	61	100.0	99	3	US-08-995-156A-5	Sequence 5, Appli
21	61	100.0	99	3	US-09-044-856A-5	Sequence 5, Appli
22	61	100.0	99	3	US-09-044-855A-5	Sequence 5, Appli
23	61	100.0	99	4	US-09-133-521-5	Sequence 5, Appli
24	61	100.0	99	4	US-08-679-493A-152	Sequence 152, App
25	61	100.0	99	4	US-08-479-603-19	Sequence 19, Appl
26	61	100.0	99	5	PCT-US96-10087-5	Sequence 5, Appli
27	61	100.0	99	6	5212073-2	Patent No. 5212073
28	58	95.1	98	4	US-08-613-822-4	Sequence 4, Appli

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RESULT   1
US-07-956-862A-1
; Sequence 1, Application US/07956862A
; Patent No. 5413778
;  GENERAL INFORMATION:
;    APPLICANT:  KUNKEL, STEVEN L.
;    APPLICANT:  LYLE, LEON R.
;    APPLICANT:  STRIETER, ROBERT M.
;    TITLE OF INVENTION:  LABELLED MONOCYTE CHEMOATTRACTANT
;    TITLE OF INVENTION:  PROTEIN MATERIAL AND MEDICAL USES
;    TITLE OF INVENTION:  THEREOF
;    NUMBER OF SEQUENCES:  1
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rothwell, Figg, Ernst & Kurz
;      STREET:  Suite 701-E, 555 Thirteenth St., N.W
;      CITY:  Washington
;      STATE:  D. C.
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/956,862A
;      FILING DATE:  05-OCT-1992
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  REPPER, GEORGE R.
;      REGISTRATION NUMBER:  31,414
;      REFERENCE/DOCKET NUMBER:  1670-197A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)783-6040
;      TELEFAX:  (202)783-6031
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  76 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    FRAGMENT TYPE:  N-terminal
US-07-956-862A-1


  Query Match             100.0%;  Score 61;  DB 1;  Length 76;
  Best Local Similarity   100.0%;  Pred. No. 0.00044;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 CADPKQKWVQ 10
           ||||||||||
Db      52 CADPKQKWVQ 61


RESULT   2
US-08-250-958-1
; Sequence 1, Application US/08250958
; Patent No. 5571713
;  GENERAL INFORMATION:
;    APPLICANT:  LYLE, LEON R.
;    APPLICANT:  KUNKEL, STEVEN L.
;    APPLICANT:  STRIETER, ROBERT M.
;    TITLE OF INVENTION:  THERAPEUTIC TREATMENT FOR INHIBITING
;    TITLE OF INVENTION:  VASCULAR RESTENOSIS
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rothwell, Figg, Ernst & Kurz
;      STREET:  Suite 701-E, 555 Thirteenth St., N.W
;      CITY:  Washington
;      STATE:  D. C.
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;       COUNTRY:  U.S.A.
;       ZIP:  20004
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/250,958
;       FILING DATE:  27-MAY-1994
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  07/965,678
;       FILING DATE:  22-OCT-1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  WALKER, Barbara W.
;       REGISTRATION NUMBER:  35,400
;       REFERENCE/DOCKET NUMBER:  2077-206A
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202)783-6040
;       TELEFAX:  (202)783-6031
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  76 amino acids
;       TYPE:  amino acid
;       STRANDEDNESS:
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
;     HYPOTHETICAL:  NO
;     FRAGMENT TYPE:  N-terminal
US-08-250-958-1


  Query Match             100.0%;  Score 61;  DB 1;  Length 76;
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  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 CADPKQKWVQ 10
           ||||||||||
Db      52 CADPKQKWVQ 61


RESULT   3
US-08-235-659-1
; Sequence 1, Application US/08235659
; Patent No. 5605671
;  GENERAL INFORMATION:
;    APPLICANT:  Lyle, Leon R.
;    APPLICANT:  Kunkel, Steven L.
;    APPLICANT:  Strieter, Robert M.
;    TITLE OF INVENTION:  LABELLED CHEMOKINE MATERIALS AND
;    TITLE OF INVENTION:  MEDICAL USES THEREOF
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rothwell, Figg, Ernst & Kurz
;      STREET:  Suite 701-E, 555 Thirteenth St., N.W
;      CITY:  Washington
;      STATE:  D. C.
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,659
;      FILING DATE:  29-APR-1994
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/956,862
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;      FILING DATE:  05-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/956,863
;      FILING DATE:  05-OCT-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WALKER, Barbara W.
;      REGISTRATION NUMBER:  35,400
;      REFERENCE/DOCKET NUMBER:  2077-205A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)783-6040
;      TELEFAX:  (202)783-6031
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  76 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  not relevant
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    FRAGMENT TYPE:  N-terminal
US-08-235-659-1


  Query Match             100.0%;  Score 61;  DB 1;  Length 76;
  Best Local Similarity   100.0%;  Pred. No. 0.00044;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 CADPKQKWVQ 10
           ||||||||||
Db      52 CADPKQKWVQ 61


RESULT   4
US-08-716-188-2
; Sequence 2, Application US/08716188
; Patent No. 5908829
;  GENERAL INFORMATION:
;    APPLICANT:  KELLY, RODNEY W
;    TITLE OF INVENTION:  USE OF MCP-1 FOR INDUCING RIPENING OF
;    TITLE OF INVENTION:  THE CERVIX
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/716,188
;      FILING DATE:  30-SEP-1996
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/GB95/00733
;      FILING DATE:  31-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9406463.1
;      FILING DATE:  31-MAR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  117-219
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-816-4091
;      TELEFAX:  703-816-4100
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
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;      LENGTH:  76 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-716-188-2


  Query Match             100.0%;  Score 61;  DB 2;  Length 76;
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  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 CADPKQKWVQ 10
          ||||||||||
Db     52 CADPKQKWVQ 61
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SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	61	100.0	99	1	A39296	monocyte chemoattr
2	61	100.0	99	2	JC2336	monocyte chemoattr
3	61	100.0	99	2	A60299	monocyte chemoattr
4	61	100.0	125	2	I46857	monocyte chemoattr
5	57	93.4	96	2	JC2478	eotaxin precursor
6	57	93.4	96	2	I48099	eotaxin precursor
7	57	93.4	99	2	JC2136	monocyte chemoattr

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RESULT   1
A39296
monocyte chemoattractant protein 1 precursor - bovine
N;Alternate names: monocyte chemotactic factor 1; seminal plasma protein P6
C;Species: Bos primigenius taurus (cattle)
C;Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 10-Sep-1999
C;Accession: A39296; B39296
R;Wempe, F.; Henschen, A.; Scheit, K.H.
DNA Cell Biol. 10, 671-679, 1991
A;Title: Gene expression and cDNA cloning identified a major basic protein constituent of
bovine seminal plasma as bovine monocyte-chemoattractant protein-1 (MCP-1).
A;Reference number: A39296; MUID:92096117
A;Accession: A39296
A;Molecule type: mRNA
A;Residues: 1-99 <WEM>
A;Cross-references: GB:M84602; GB:M85264; NID:g163394; PIDN:AAA30651.1; PID:g163395
A;Accession: B39296
A;Molecule type: protein
A;Residues: 50-68,'X',70-74,'X',76 <WE2>
A;Experimental source: seminal vesicle
C;Superfamily: macrophage inflammatory protein
C;Keywords: glycoprotein
F;1-23/Domain: signal sequence #status predicted <SIG>
F;24-99/Product: monocyte chemoattractant protein 1 #status predicted <MAT>
F;94/Binding site: carbohydrate (Asn) (covalent) #status predicted


  Query Match             100.0%;  Score 61;  DB 1;  Length 99;
  Best Local Similarity   100.0%;  Pred. No. 0.00069;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy      1 CADPKQKWVQ 10
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Db     75 CADPKQKWVQ 84


RESULT   2
JC2336
monocyte chemoattractant protein-1 - bovine
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C;Species: Bos primigenius indicus (zebu cattle)
C;Date: 20-Feb-1995 #sequence_revision 20-Feb-1995 #text_change 03-May-1996
C;Accession: JC2336
R;Wempe, F.; Kuhlmann, J.K.; Scheit, K.H.
Biochem. Biophys. Res. Commun. 202, 1272-1279, 1994
A;Title: Characterization of the bovine monocyte chemoattractant protein-1 gene.
A;Reference number: JC2336; MUID:94338337
A;Accession: JC2336
A;Molecule type: protein
A;Residues: 1-99 <WEM>
C;Genetics:
A;Gene: MCP-1
A;Introns: 26/1; 65/2
C;Superfamily: macrophage inflammatory protein

Query Match 100.0%; Score 61; DB 2; Length 99;
Best Local Similarity 100.0%; Pred. No. 0.00069;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy       1 CADPKQKWVQ 10
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Db      75 CADPKQKWVQ 84
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RESULT 3
A60299
monocyte chemoattractant protein 1 precursor - human
N;Alternate names: GDCF-1; glioma-derived monocyte chemotactic factor 1; MCAF; MCP-1; monocyte chemotactic factor 1; monocyte secretory protein; tumor-derived chemotactic factor
N;Contains: glioma-derived chemotactic factor 2 (GDCF-2)
C;Species: Homo sapiens (man)
C;Date: 20-Feb-1993 #sequence_revision 20-Feb-1993 #text_change 16-Jul-1999
C;Accession: A35474; A33476; S03339; I51841; A60299; A32300; A32396; A34561; I57488; JC1096
R;Shyy, Y.J.; Li, Y.S.; Kolattukudy, P.E.
Biochem. Biophys. Res. Commun. 169, 346-351, 1990
A;Title: Structure of human monocyte chemotactic protein gene and its regulation by TPA.
A;Reference number: A35474; MUID:90290466
A;Accession: A35474
A;Molecule type: DNA
A;Residues: 1-99 <SHY>
A;Cross-references: GB:M37719; NID:g187447; PIDN:AAA18102.1; PID:g487124
R;Rollins, B.J.; Stier, P.; Ernst, T.; Wong, G.G.
Mol. Cell. Biol. 9, 4687-4695, 1989
A;Title: The human homolog of the JE gene encodes a monocyte secretory protein.
A;Reference number: A33476; MUID:90097880
A;Accession: A33476
A;Molecule type: mRNA
A;Residues: 1-99 <ROL>
A;Cross-references: GB:M30816; GB:M31625; GB:M31626; NID:g188701; PIDN:AAA36330.1; PID:g386961
R;Yoshimura, T.; Yuhki, N.; Moore, S.K.; Appella, E.; Lerman, M.I.; Leonard, E.J.
FEBS Lett. 244, 487-493, 1989
A;Title: Human monocyte chemoattractant protein-1 (MCP-1). Full-length cDNA cloning, expression in mitogen-stimulated blood mononuclear leukocytes, and sequence similarity to mouse competence gene JE.
A;Reference number: S03339; MUID:89153605
A;Accession: S03339
A;Status: not compared with conceptual translation
A;Molecule type: mRNA
A;Residues: 1-99 <YOS>
A;Cross-references: GB:X14768; NID:g34513; PIDN:CAA32876.1; PID:g34514
A;Experimental source: glioma cell line U-105MG
R;Yoshimura, T.; Leonard, E.J.
Adv. Exp. Med. Biol. 305, 47-56, 1991
A;Title: Human monocyte chemoattractant protein-1 (MCP-1).
A;Reference number: I51841; MUID:92095166
A;Accession: I51841
A;Status: preliminary; translated from GB/EMBL/DDBJ

A;Molecule type: mRNA
A;Residues: 1-99 <YO2>
A;Cross-references: GB:S71513; NID:g240867; PIDN:AAB20651.1; PID:g240868
R;Bottazzi, B.; Colotta, F.; Sica, A.; Nobili, N.; Mantovani, A.
Int. J. Cancer 45, 795-797, 1990
A;Title: A chemoattractant expressed in human sarcoma cells (tumor-derived chemotactic factor, TDCF) is identical to monocyte chemoattractant protein-1/monocyte chemotactic and activating factor (MCP-1/MCAF).
A;Reference number: A60299; MUID:90216082
A;Accession: A60299
A;Status: not compared with conceptual translation
A;Molecule type: mRNA
A;Residues: 1-99 <BOT>
R;Furutani, Y.; Nomura, H.; Notake, M.; Oyamada, Y.; Fukui, T.; Yamada, M.; Larsen, C.G.; Oppenheim, J.J.; Matsushima, K.
Biochem. Biophys. Res. Commun. 159, 249-255, 1989
A;Title: Cloning and sequencing of the cDNA for human monocyte chemotactic and activating factor (MCAF).
A;Reference number: A32300; MUID:89165862
A;Accession: A32300
A;Status: not compared with conceptual translation
A;Molecule type: mRNA
A;Residues: 1-99 <FUR>
A;Cross-references: GB:M24545; NID:g187434; PIDN:AAA18164.1; PID:g307163
R;Robinson, E.A.; Yoshimura, T.; Leonard, E.J.; Tanaka, S.; Griffin, P.R.; Shabanowitz, J.; Hunt, D.F.; Appella, E.
Proc. Natl. Acad. Sci. U.S.A. 86, 1850-1854, 1989
A;Title: Complete amino acid sequence of a human monocyte chemoattractant, a putative mediator of cellular immune reactions.
A;Reference number: A32396; MUID:89184525
A;Accession: A32396
A;Molecule type: protein
A;Residues: 'X',25-99 <ROB>
R;Decock, B.; Conings, R.; Lenaerts, J.P.; Billiau, A.; Van Damme, J.
Biochem. Biophys. Res. Commun. 167, 904-909, 1990
A;Title: Identification of the monocyte chemotactic protein from human osteosarcoma cells and monocytes: detection of a novel N-terminally processed form.
A;Reference number: A34561; MUID:90211336
A;Accession: A34561
A;Molecule type: protein
A;Residues: 29-33,'XX',36-52;82-92 <DEC>
R;Li, Y.S.; Shyy, Y.J.; Wright, J.G.; Valente, A.J.; Cornhill, J.F.; Kolattukudy, P.E.
Mol. Cell. Biochem. 126, 61-68, 1993
A;Title: The expression of monocyte chemotactic protein (MCP-1) in human vascular endothelium in vitro and in vivo.
A;Reference number: I57488; MUID:94150478
A;Accession: I57488
A;Status: translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-99 <LIY>
A;Cross-references: GB:S69738; NID:g545464; PIDN:AAB29926.1; PID:g545465
R;Ye, Q.N.; Su, G.F.; Yuan, Y.; Huang, C.F.
Chinese J. Microbiol. Immunol. 14, 29-32, 1994
A;Title: The PCR, cloning and sequencing of human monocyte chemoattractant protein-1 (MCP-1) gene.
A;Reference number: JC1096
A;Accession: JC1096
A;Molecule type: mRNA
A;Residues: 24-28,'Q',30-99 <YEQ>
C;Genetics:
A;Gene: GDB:SCYA2
A;Cross-references: GDB:125279; OMIM:158105
A;Map position: 17q11.2-17q12
C;Superfamily: macrophage inflammatory protein
C;Keywords: cytokine; glycoprotein; inflammation; pyroglutamic acid
F;1-23/Domain: signal sequence #status predicted <SIG>
F;24-99/Product: monocyte chemoattractant protein 1 #status experimental <MAT>
F;29-99/Product: monocyte chemoattractant protein 1, short form #status experimental <MAT2>
F;24/Modified site: pyrrolidone carboxylic acid (Gln) (in mature form) #status experimental

F;37/Binding site: carbohydrate (Asn) (covalent) #status predicted

  Query Match 100.0%; Score 61; DB 2; Length 99;
  Best Local Similarity 100.0%; Pred. No. 0.00069;
  Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CADPKQKWVQ 10
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Db 75 CADPKQKWVQ 84

RESULT 4
I46857
monocyte chemoattractant protein-1 - rabbit
C;Species: Oryctolagus cuniculus (domestic rabbit)
C;Date: 14-Feb-1997 #sequence_revision 14-Feb-1997 #text_change 16-Jul-1999
C;Accession: I46857
R;Yoshimura, T.; Yuhki, N.
J. Immunol. 146, 3483-3488, 1991
A;Title: Neutrophil attractant/activation protein-1 and monocyte chemoattractant protein-1 in rabbit: cDNA cloning and their expression in spleen cells.
A;Reference number: I46857; MUID:91225489
A;Accession: I46857
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-125 <YOS>
A;Cross-references: GB:M57440; NID:g165469; PIDN:AAA31386.1; PID:g165470
C;Superfamily: macrophage inflammatory protein

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  Best Local Similarity 100.0%; Pred. No. 0.00087;
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Qy 1 CADPKQKWVQ 10
      ||||||||||
Db 75 CADPKQKWVQ 84

RESULT 5
JC2478
eotaxin precursor - rat
C;Species: Rattus norvegicus (Norway rat)
C;Date: 21-Feb-1995 #sequence_revision 05-Apr-1995 #text_change 16-Jul-1999
C;Accession: JC2478
R;Jose, P.J.; Adcock, I.M.; Griffiths-Johnson, D.A.; Berkman, N.; Wells, T.N.C.; Williams, T.J.; Power, C.A.
Biochem. Biophys. Res. Commun. 205, 788-794, 1994
A;Title: Eotaxin: Cloning of an eosinophil chemoattractant cytokine and increased mRNA expression in allergen-challenged guinea-pig lungs.
A;Reference number: JC2478; MUID:95091818
A;Accession: JC2478
A;Molecule type: mRNA
A;Residues: 1-96 <JOS>
A;Cross-references: EMBL:X77603; NID:g602551; PIDN:CAA54698.1; PID:g602552
C;Comment: This protein is identified as a potent eosinophil chemoattractant.
C;Superfamily: macrophage inflammatory protein
C;Keywords: glycoprotein
F;1-23/Domain: signal sequence #status predicted <SIG>
F;24-96/Product: eotaxin #status predicted <MAT>
F;93/Binding site: carbohydrate (Thr) (covalent) #status predicted

  Query Match 93.4%; Score 57; DB 2; Length 96;
  Best Local Similarity 90.0%; Pred. No. 0.0035;
  Matches 9; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CADPKQKWVQ 10
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Db 72 CADPKKKWVQ 81

SEQ ID NO: 38

Result No.	Score	Query Match	Length	DB	ID	Description
1	69	100.0	12	21	AAB15797	Human chemokine de
2	69	100.0	34	20	AAY06739	Cross-over chemoki
3	69	100.0	34	20	AAY06737	Cross-over chemoki
4	69	100.0	66	20	AAY06745	SDF-1 alpha/RANTES
5	69	100.0	66	20	AAY06747	SDF-1 alpha/RANTES
6	69	100.0	66	20	AAY06753	SDF-1 alpha/RANTES
7	69	100.0	66	20	AAY06755	SDF-1 alpha/RANTES
8	69	100.0	67	19	AAW50760	Peptide which bind
9	69	100.0	67	20	AAY34092	Native stromal cel
10	69	100.0	67	20	AAY06741	SDF-1 alpha/RANTES
11	69	100.0	67	20	AAY06743	SDF-1 alpha/RANTES
12	69	100.0	67	20	AAY06749	SDF-1 alpha/RANTES

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	69	100.0	89	1	US-08-181-556-2	Sequence 2, Appli
2	69	100.0	89	1	US-08-323-084A-1	Sequence 1, Appli
3	69	100.0	89	1	US-08-674-008-1	Sequence 1, Appli
4	69	100.0	93	1	US-08-323-084A-5	Sequence 5, Appli
5	69	100.0	93	1	US-08-674-008-5	Sequence 5, Appli
6	69	100.0	326	3	US-08-808-720-3	Sequence 3, Appli
7	69	100.0	328	3	US-08-808-720-1	Sequence 1, Appli
8	56	81.2	81	2	US-08-436-420-34	Sequence 34, Appl

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RESULT   1
US-08-181-556-2
; Sequence 2, Application US/08181556
; Patent No. 5525486
;  GENERAL INFORMATION:
;    APPLICANT:  HONJO, Tasuku
;    APPLICANT:  TASHIRO, Kei
;    APPLICANT:  TADA, Hideaki
;    TITLE OF INVENTION:  PROCESS FOR CONSTRUCTING cDNA LIBRARY,
;    TITLE OF INVENTION:  AND NOVEL POLYPEPTIDE AND DNA CODING FOR THE SAME
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  STEVENS, DAVIS, MILLER & MOSHER
;      STREET:  515 No. 5525486th Washington Street (P.O. Box 1427)
;      CITY:  Alexandria
;      STATE:  Virginia
;      COUNTRY:  USA
;      ZIP:  22313
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/181,556
;      FILING DATE:  14-JAN-1994
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 5-22098
;      FILING DATE:  14-JAN-1993
```

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;    ATTORNEY/AGENT INFORMATION:
;      NAME:  POULOS III, James A.
;      REGISTRATION NUMBER:  31714
;      REFERENCE/DOCKET NUMBER:  TPP/29088
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 549-7200
;      TELEFAX:  (703) 528-5313
;      TELEX:  89-2746
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  89 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-181-556-2


  Query Match             100.0%;  Score 69;  DB 1;  Length 89;
  Best Local Similarity   100.0%;  Pred. No. 7.6e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 QVCIDPKLKWIQ 12
           ||||||||||||
Db      69 QVCIDPKLKWIQ 80


RESULT   2
US-08-323-084A-1
; Sequence 1, Application US/08323084A
; Patent No. 5563048
;  GENERAL INFORMATION:
;    APPLICANT:  HONJO, TASUKU
;    APPLICANT:  SHIROZU, MICHIO
;    APPLICANT:  TADA, HIDEAKI
;    TITLE OF INVENTION:  No. 5563048el Polypeptides and DNAs encoding them
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SUGHRUE, MION, ZINN, MACPEAK & SEAS
;      STREET:  2100 Pennsylvania Avenue, N.W.
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20037-3202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/323,084A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 280505/1993
;      FILING DATE:  14-OCT-1993
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)293-7060
;      TELEFAX:  (202)293-7860
;      TELEX:  6491103
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  89 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-323-084A-1


  Query Match             100.0%;  Score 69;  DB 1;  Length 89;
  Best Local Similarity   100.0%;  Pred. No. 7.6e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy       1 QVCIDPKLKWIQ 12
           ||||||||||||
Db      69 QVCIDPKLKWIQ 80


RESULT   3
US-08-674-008-1
; Sequence 1, Application US/08674008
; Patent No. 5756084
;  GENERAL INFORMATION:
;    APPLICANT:  HONJO, Tasuku
;    APPLICANT:  SHIROZU, Michio
;    APPLICANT:  TADA, Hideaki
;    TITLE OF INVENTION:  HUMAN STROMAL DERIVED
;    TITLE OF INVENTION:  FACTOR 1` AND 1  (As Amended)
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SUGHRUE, MION, ZINN, MACPEAK & SEAS
;      STREET:  2100 Pennsylvania Avenue, N.W.
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20037-3202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/674,008
;      FILING DATE:  1-JUL-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/323,084
;      FILING DATE:  14-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 280505/1993
;      FILING DATE:  14-OCT-1993
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)293-7060
;      TELEFAX:  (202)293-7860
;      TELEX:  6491103
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  89 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-674-008-1


  Query Match             100.0%;  Score 69;  DB 1;  Length 89;
  Best Local Similarity   100.0%;  Pred. No. 7.6e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 QVCIDPKLKWIQ 12
           ||||||||||||
Db      69 QVCIDPKLKWIQ 80


RESULT   4
US-08-323-084A-5
; Sequence 5, Application US/08323084A
; Patent No. 5563048
;  GENERAL INFORMATION:
;    APPLICANT:  HONJO, TASUKU
;    APPLICANT:  SHIROZU, MICHIO
;    APPLICANT:  TADA, HIDEAKI
;    TITLE OF INVENTION:  No. 5563048el Polypeptides and DNAs encoding them
;    NUMBER OF SEQUENCES:  20
```

```
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SUGHRUE, MION, ZINN, MACPEAK & SEAS
;      STREET:  2100 Pennsylvania Avenue, N.W.
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20037-3202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/323,084A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 280505/1993
;      FILING DATE:  14-OCT-1993
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)293-7060
;      TELEFAX:  (202)293-7860
;      TELEX:  6491103
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  93 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-323-084A-5


  Query Match             100.0%;  Score 69;  DB 1;  Length 93;
  Best Local Similarity   100.0%;  Pred. No. 7.9e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 QVCIDPKLKWIQ 12
           ||||||||||||
Db      69 QVCIDPKLKWIQ 80


RESULT   5
US-08-674-008-5
; Sequence 5, Application US/08674008
; Patent No. 5756084
;  GENERAL INFORMATION:
;    APPLICANT:  HONJO, Tasuku
;    APPLICANT:  SHIROZU, Michio
;    APPLICANT:  TADA, Hideaki
;    TITLE OF INVENTION:  HUMAN STROMAL DERIVED
;    TITLE OF INVENTION:  FACTOR 1` AND 1  (As Amended)
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SUGHRUE, MION, ZINN, MACPEAK & SEAS
;      STREET:  2100 Pennsylvania Avenue, N.W.
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20037-3202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/674,008
;      FILING DATE:  1-JUL-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/323,084
;      FILING DATE:  14-OCT-1994
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;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 280505/1993
;      FILING DATE:  14-OCT-1993
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)293-7060
;      TELEFAX:  (202)293-7860
;      TELEX:  6491103
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  93 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-674-008-5


  Query Match             100.0%;  Score 69;  DB 1;  Length 93;
  Best Local Similarity   100.0%;  Pred. No. 7.9e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 QVCIDPKLKWIQ 12
           ||||||||||||
Db      69 QVCIDPKLKWIQ 80


RESULT   6
US-08-808-720-3
; Sequence 3, Application US/08808720
; Patent No. 6100387
;  GENERAL INFORMATION:
;    APPLICANT:  Herrmann, Steve
;    APPLICANT:  Swanberg, Stephen
;    TITLE OF INVENTION:  CHIMERIC POLYPEPTIDES CONTAINING
;    TITLE OF INVENTION:  CHEMOKINE DOMAINS
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Insititute, Inc.
;      STREET:  87 CambridgePark
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/808,720
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sprunger, Suzanne
;      REGISTRATION NUMBER:  P-41,323
;      REFERENCE/DOCKET NUMBER:  GI5291
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8284
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  326 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-808-720-3


  Query Match             100.0%;  Score 69;  DB 3;  Length 326;
  Best Local Similarity   100.0%;  Pred. No. 0.00029;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy       1 QVCIDPKLKWIQ 12
           ||||||||||||
Db      67 QVCIDPKLKWIQ 78


RESULT   7
US-08-808-720-1
; Sequence 1, Application US/08808720
; Patent No. 6100387
;  GENERAL INFORMATION:
;    APPLICANT:  Herrmann, Steve
;    APPLICANT:  Swanberg, Stephen
;    TITLE OF INVENTION:  CHIMERIC POLYPEPTIDES CONTAINING
;    TITLE OF INVENTION:  CHEMOKINE DOMAINS
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Insititute, Inc.
;      STREET:  87 CambridgePark
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/808,720
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sprunger, Suzanne
;      REGISTRATION NUMBER:  P-41,323
;      REFERENCE/DOCKET NUMBER:  GI5291
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8284
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  328 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-808-720-1


  Query Match             100.0%;  Score 69;  DB 3;  Length 328;
  Best Local Similarity   100.0%;  Pred. No. 0.00029;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 QVCIDPKLKWIQ 12
           ||||||||||||
Db      69 QVCIDPKLKWIQ 80
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SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	69	100.0	89	2	A53497	pre-B-cell growth-
2	69	100.0	89	2	I53416	interleukin-8 homo
3	69	100.0	93	2	G01540	cytokine SDF-1-bet
4	69	100.0	93	2	I81182	cytokine - mouse
5	57	82.6	101	2	I48148	Neutrophil attract

6	56	81.2	95	2	JN0841	interleukin-8 - do
7	56	81.2	101	2	S42496	interleukin-8 prec

RESULT 1
A53497
pre-B-cell growth-stimulating factor precursor - mouse
C;Species: Mus musculus (house mouse)
C;Date: 02-Jun-1994 #sequence_revision 02-Jun-1994 #text_change 20-Jun-2000
C;Accession: A53497; I59582
R;Nagasawa, T.; Kikutani, H.; Kishimoto, T.
Proc. Natl. Acad. Sci. U.S.A. 91, 2305-2309, 1994
A;Title: Molecular cloning and structure of a pre-B-cell growth-stimulating factor.
A;Reference number: A53497; MUID:94181581
A;Accession: A53497
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-89 <NAG>
A;Cross-references: GB:D21072; NID:g413905; PIDN:BAA04648.1; PID:g468457
R;Tashiro, K.; Tada, H.; Heilker, R.; Shirozu, M.; Nakano, T.; Honjo, T.
Science 261, 600-603, 1993
A;Title: Signal sequence trap: a cloning strategy for secreted proteins and type I membrane proteins.
A;Reference number: I59582; MUID:93342488
A;Accession: I59582
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-89 <RES>
A;Cross-references: GB:L12029; NID:g393179; PIDN:AAA40100.1; PID:g393180
C;Genetics:
A;Gene: SDF-1-alpha
C;Superfamily: beta-thromboglobulin
C;Keywords: cytokine

Query Match 100.0%; Score 69; DB 2; Length 89;
Best Local Similarity 100.0%; Pred. No. 2.2e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy       1 QVCIDPKLKWIQ 12
           ||||||||||||
Db      69 QVCIDPKLKWIQ 80
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RESULT 2
I53416
interleukin-8 homolog - mouse
C;Species: Mus sp. (mouse)
C;Date: 02-Aug-1996 #sequence_revision 02-Aug-1996 #text_change 05-Nov-1999
C;Accession: I53416
R;Jiang, W.; Zhou, P.; Kahn, S.M.; Tomita, N.; Johnson, M.D.; Weinstein, I.B.
Exp. Cell Res. 215, 284-293, 1994
A;Title: Molecular cloning of TPAR1, a gene whose expression is repressed by the tumor promoter 12-O-tetradecanoylphorbol 13-acetate (TPA).
A;Reference number: I53416; MUID:95073497
A;Accession: I53416
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-89 <RES>
A;Cross-references: GB:S74318; NID:g786393; PIDN:AAB32650.1; PID:g786394
C;Genetics:
A;Gene: TPAR1
C;Superfamily: beta-thromboglobulin

Query Match 100.0%; Score 69; DB 2; Length 89;
Best Local Similarity 100.0%; Pred. No. 2.2e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy       1 QVCIDPKLKWIQ 12
           ||||||||||||
Db      69 QVCIDPKLKWIQ 80


RESULT   3
G01540
cytokine SDF-1-beta - human
C;Species: Homo sapiens (man)
C;Date: 21-Dec-1996 #sequence_revision 06-Jun-1997 #text_change 26-Aug-1999
C;Accession: G01540
R;Spotila, L.D.
submitted to the EMBL Data Library, October 1994
A;Reference number: G07697
A;Accession: G01540
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-93 <SPO>
A;Cross-references: EMBL:U16752; NID:g1272194; PID:g571508
C;Superfamily: beta-thromboglobulin


  Query Match             100.0%;  Score 69;  DB 2;  Length 93;
  Best Local Similarity   100.0%;  Pred. No. 2.3e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 QVCIDPKLKWIQ 12
           ||||||||||||
Db      69 QVCIDPKLKWIQ 80


RESULT   4
I81182
cytokine - mouse
C;Species: Mus musculus (house mouse)
C;Date: 02-Aug-1996 #sequence_revision 02-Aug-1996 #text_change 05-Nov-1999
C;Accession: I81182
R;Tashiro, K.; Tada, H.; Heilker, R.; Shirozu, M.; Nakano, T.; Honjo, T.
Science 261, 600-603, 1993
A;Title: Signal sequence trap: a cloning strategy for secreted proteins and type I
membrane proteins.
A;Reference number: I59582; MUID:93342488
A;Accession: I81182
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-93 <RES>
A;Cross-references: GB:L12030; NID:g393181; PIDN:AAA40101.1; PID:g393182
C;Genetics:
A;Gene: SDF-1-beta
C;Superfamily: beta-thromboglobulin


  Query Match             100.0%;  Score 69;  DB 2;  Length 93;
  Best Local Similarity   100.0%;  Pred. No. 2.3e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1 QVCIDPKLKWIQ 12
           ||||||||||||
Db      69 QVCIDPKLKWIQ 80


RESULT   5
I48148
Neutrophil attractant protein-1 - guinea pig
C;Species: Cavia porcellus (guinea pig)
C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 20-Aug-1999
C;Accession: I48148
R;Yoshimura, T.; Johnson, D.G.
J. Immunol. 151, 6225-6236, 1993
A;Title: cDNA cloning and expression of guinea pig neutrophil attractant protein-1 (NAP-
1): NAP-1 is highly conserved in guinea pig.
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A;Reference number: I48148; MUID:94065176
A;Accession: I48148
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-101 <RES>
A;Cross-references: GB:L04986; NID:g459764; PIDN:AAA37049.1; PID:g459765
C;Genetics:
A;Gene: NAP-1
C;Superfamily: beta-thromboglobulin

Query Match 82.6%; Score 57; DB 2; Length 101;
Best Local Similarity 66.7%; Pred. No. 0.0038;
Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

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Qy       1 QVCIDPKLKWIQ 12
           |:|:||| ||:|
Db      75 QLCLDPKKKWVQ 86
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A;Cross-references: GB:L12030; NID:g393181; PIDN:AAA40101.1; PID:g393182
C;Genetics:
A;Gene: SDF-1-beta
C;Superfamily: beta-thromboglobulin

  Query Match   100.0%; Score 69; DB 2; Length 93;
  Best Local Similarity   100.0%; Pred. No. 2.3e-05;
  Matches   12; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   1 QVCIDPKLKWIQ 12
          ||||||||||||
Db   69 QVCIDPKLKWIQ 80

RESULT   5
I48148
Neutrophil attractant protein-1 - guinea pig
C;Species: Cavia porcellus (guinea pig)
C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 20-Aug-1999
C;Accession: I48148
R;Yoshimura, T.; Johnson, D.G.
J. Immunol. 151, 6225-6236, 1993
A;Title: cDNA cloning and expression of guinea pig neutrophil attractant protein-1 (NAP-1): NAP-1 is highly conserved in guinea pig.
A;Reference number: I48148; MUID:94065176
A;Accession: I48148
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-101 <RES>
A;Cross-references: GB:L04986; NID:g459764; PIDN:AAA37049.1; PID:g459765
C;Genetics:
A;Gene: NAP-1
C;Superfamily: beta-thromboglobulin

  Query Match   82.6%; Score 57; DB 2; Length 101;
  Best Local Similarity   66.7%; Pred. No. 0.0038;
  Matches   8; Conservative   3; Mismatches   1; Indels   0; Gaps   0;

Qy   1 QVCIDPKLKWIQ 12
          |:|:||| ||:|
Db   75 QLCLDPKKKWVQ 86

SEQ ID NO: 14

Result No.	Score	Query Match	Length	DB	ID	Description
1	70	100.0	12	20	AAY14245	Chemokine peptide,
2	70	100.0	12	21	AAB15783	Human chemokine de
3	70	100.0	12	21	AAB18362	Human chemokine de
4	70	100.0	12	22	AAY72681	Human monocyte che
5	70	100.0	14	20	AAY14259	Chemokine peptide,
6	69	98.6	12	20	AAY14241	Chemokine peptide,
7	69	98.6	12	21	AAB15779	Human chemokine de
8	69	98.6	12	21	AAB15863	Human chemokine de

Result No.	Score	Query Match	Length	DB	ID	Description

1	65	92.9	81	2	US-08-436-420-34	Sequence 34, Appl
2	64	91.4	76	1	US-07-956-862A-1	Sequence 1, Appli
3	64	91.4	76	1	US-08-250-958-1	Sequence 1, Appli
4	64	91.4	76	1	US-08-235-659-1	Sequence 1, Appli
5	64	91.4	76	2	US-08-716-188-2	Sequence 2, Appli
6	64	91.4	76	2	US-08-615-232A-5	Sequence 5, Appli
7	64	91.4	76	3	US-08-470-323-5	Sequence 5, Appli
8	64	91.4	78	1	US-08-330-163-12	Sequence 12, Appl
9	64	91.4	78	1	US-08-482-111-12	Sequence 12, Appl
10	64	91.4	78	5	PCT-US95-00605-1	Sequence 1, Appli
11	64	91.4	79	2	US-08-436-420-36	Sequence 36, Appl

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	65	92.9	95	2	JN0841	interleukin-8 - do
2	65	92.9	101	2	S42496	interleukin-8 prec
3	65	92.9	103	2	A53096	interleukin-8 prec
4	64	91.4	99	2	A60299	monocyte chemoattr
5	64	91.4	101	2	I46871	interleukin-8 - ra
6	62	88.6	99	1	A39296	monocyte chemoattr
7	62	88.6	99	2	JC2336	monocyte chemoattr
8	60	85.7	99	2	JC2136	monocyte chemoattr
9	60	85.7	101	2	I48148	Neutrophil attract
10	59	84.3	99	2	JC2417	monocyte chemoattr

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	65	92.9	101	1	IL8_CANFA	P41324 canis famil
2	65	92.9	101	1	IL8_SHEEP	P36925 ovis aries
3	65	92.9	103	1	IL8_PIG	P26894 sus scrofa
4	64	91.4	99	1	SY02_HUMAN	P13500 homo sapien
5	64	91.4	99	1	SY02_MACFA	Q9myn4 macaca fasc
6	64	91.4	101	1	IL8_RABIT	P19874 oryctolagus
7	64	91.4	101	1	SY02_CANFA	P52203 canis famil
8	62	88.6	99	1	MCPA_BOVIN	P28291 bos taurus
9	61	87.1	98	1	SY13_HUMAN	Q99616 homo sapien

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	68	97.1	101	6	Q9XSX5	Q9xsx5 felis silve
2	61	87.1	62	4	O95690	O95690 homo sapien
3	61	87.1	79	4	O95689	O95689 homo sapien
4	60	85.7	97	11	Q9Z318	Q9z318 cavia porce
5	60	85.7	99	6	Q9TTQ3	Q9ttq3 equus cabal
6	60	85.7	100	6	Q9TTQ4	Q9ttq4 equus cabal
7	60	85.7	100	6	Q95MD5	Q95md5 bos taurus
8	58	82.9	106	11	Q9Z292	Q9z292 cricetulus
9	57	81.4	89	11	Q9QZD1	Q9qzd1 rattus norv